

Datasheet: MCA6229B

**BATCH NUMBER 100005425**

<b>Description:</b>	MOUSE ANTI HUMAN COMPLEMENT FACTOR H:Biotin
<b>Specificity:</b>	COMPLEMENT FACTOR H
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	C01-4A10
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml
<b>Immunogen</b>	Purified native human complement factor H

**External Database  
Links**

**UniProt:**

[P08603](#)    [Related reagents](#)

**Entrez Gene:**

[3075](#)    CFH    [Related reagents](#)

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**Synonyms**

HF, HF1, HF2

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**Fusion Partners**

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

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**Specificity**

**Mouse anti Human complement Factor H antibody, clone C01-4A10**, recognizes, complement factor H, also known as H Factor1. Complement factor H is a major regulatory protein of the alternative activation pathway of the complement cascade. It regulates this pathway by targeting C3 convertase (C3bBb) for degradation and by acting as a co-factor in the cleavage and inactivation of C3b. Complement factor H is a soluble ~155 kDa glycoprotein present in serum at a relatively high concentration, averaging between 200 – 800 ug/ml. It is also expressed locally by many cells types including epithelial cells and platelets ([Ferreira et al. 2010](#), [Parente et al. 2017](#)).

Due to the major regulatory functionality of complement factor H, mutations and polymorphisms of the encoding gene are associated with inappropriate recognition of “self” cell markers in patients and consequently results in complement mediated tissue damage and disease. These mutations are associated with various diseases including atypical haemolytic uremic syndrome and C3 glomerulopathy ([Martinez-Barricate et al. 2008](#), [Cserhalmi et al. 2017](#)).

The biotinylated Mouse anti Human complement factor H antibody, clone C01-4A10 (MCA6229B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human complement factor H antibody, clone C06-2F3 ([MCA6228GA](#)) as the capture antibody.

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10041 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6229B>  
10041

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**Regulatory**

For research purposes only

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## Related Products

### [ELISA Matched Pair - Capture Antibody](#)

[MOUSE ANTI HUMAN COMPLEMENT FACTOR H \(MCA6228GA\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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